Author index to volume 257

Abougou, J. -C., M. Hagiwara, T. Hachiya, M. Terasawa, H. Hidaka and D.J. Hartshorne, Phosphorylation of caldesmon 257 (1989) 408
Adar, R., M. Richardson, H. Lis and N. Sharon, The amino acid sequence of *Erythrina corallodendron* lectin and its homology with other legume lectins 257 (1989) 81
Affranchino, J.L. see R.A. Macina 257 (1989) 365
Agol, V.I. see E.D. Sverdlov 257 (1989) 354
Ajtkhozhina, N.A. see R.M. Tujebajeva 257 (1989) 254
Akunne, H. see R.B. Rothman 257 (1989) 341
Alleyne, T.A. see Stephen E.J. Rigby 257 (1989) 155
Andersen, J. see J. Coyer 257 (1989) 159
Anderson, W.B. see Z. Kiss 257 (1989) 45
Arceci, R.J. see L.M. Greenberger 257 (1989) 419
Arystarkhova, E.A., O.E. Lakhtina, N.B. Levina and N.N. Modyanov, Immunoaffinity isolation of Na^+,K^+-ATPase α3 isoform from pig kidney 257 (1989) 24
Ashcroft, F.M. see I. Niki 257 (1989) 361
Ashcroft, S.J.H. see I. Niki 257 (1989) 361
Auld, D.S. see B.L. Vallee 257 (1989) 138
Azhikina, T.L. see E.D. Sverdlov 257 (1989) 354
Azizova, O.A. see M.L. Borin 257 (1989) 345

Baba, T. see K. Nakamatsu 257 (1989) 422
Bachem, M.G., U. Riess, R. Melchior, K.-M. Sell and A.M. Gressner, Transforming growth factors (TGFα and TGFβ1) stimulate chondroitin sulfate and hyaluronate synthesis in cultured rat liver fat storing cells 257 (1989) 134
Baumann, M. see M. Koivusalo 257 (1989) 105
Baur, R. see E. Sigel 257 (1989) 377
Baxter-Lowe, L.A., J.Z. Guo, E.E. Bergstrom and L.E. Hokin, Molecular cloning of the Na^+,K^+-ATPase α-subunit in developing brine shrimp and sequence comparison with higher organisms 257 (1989) 181
Beg, O.U. see A. Fazal 257 (1989) 260
Berchtold, M.W. see E.W. Sommer 257 (1989) 307
Berger, M.C. see E.W. Sommer 257 (1989) 307
Bergstrom, E.E. see L.A. Baxter-Lowe 257 (1989) 181
Bessarab, D.A. see Yu.A. Ushkaryov 257 (1989) 439
Bichler, V. see L. Mauch 257 (1989) 86
Binnig, G. see J.P. Ruppersberg 257 (1989) 460
Bladon, C.M. see J. Simpson 257 (1989) 238
Blum, J.K. see E.W. Sommer 257 (1989) 307
Bogdanov, A. see T. Makarova 257 (1989) 247
Bogdanov, M.V. see M.A. Nesmeyanova 257 (1989) 203
Boissonneault, G. and R.R. Tremblay, Effect of denervation on the androgen-induced expression of actin and CPK mRNAs in the levator ani muscle of the rat 257 (1989) 329
Borin, M.L., V.G. Pinelis, M.A. Ivanova, Yu.V. Kudinov, O.A. Azizova, C.M. Markov and B.I. Khodorov, Blockade of ADP-induced Ca^{2+}-signal and platelet aggregation by lipoxygenase inhibitors 257 (1989) 345
Bork, P., Recognition of functional regions in primary structures using a set of property patterns 257 (1989) 191
Bossant, M.-J. see P. Salem 257 (1989) 49
Brady, H.J.M., J.C. Sowden, M. Edwards, N. Lowe and P.H.W. Butterworth, Multiple GF-1 binding sites flank the erythroid specific transcription unit of the human carbonic anhydrase I gene 257 (1989) 451
Branca, M., A. Dessi, H. Kozlowski, G. Micera and M.V. Serra, In vitro interaction of mutagenic chromium(VI) with red blood cells 257 (1989) 52
Brandsch, R. see L. Mauch 257 (1989) 86
Bricker, T.M. see L.K. Frankel 257 (1989) 279
Brockmöller, J. see M.E. Peter 257 (1989) 219
Bröker, M. and H.-P. Harthus, Defined monoclonal antibodies to *Escherichia coli* β-galactosidase as a tool for characterisation of recombinant expression products 257 (1989) 118
Broude, N.E., N.N. Modyanov, G.S. Monastyrskaya and E.D. Sverdlov, Advances in Na^+,K^+-ATPase studies: from protein to gene and back to protein 257 (1989) 1
Broude, N.E. see Yu.A. Ushkaryov 257 (1989) 439
Brunner, J., Testing topological models for the membrane penetration of the fusion peptide of influenza virus hemagglutinin 257 (1989) 369
Butterworth, P.H.W. see H.J.M. Brady 257 (1989) 451

Campbell, I.D. see D. Mulvey 257 (1989) 113
Capitanio, N. see D. Steverding 257 (1989) 131
Cervoni, L. see A. Ferraro 257 (1989) 241
Chaillan, C., E. Rogalska, C. Chapus and D. Lombardo, A cross-linked complex between horse pancreatic lipase and colipase 257 (1989) 443
Chang, W. see T. Fu 257 (1989) 351
Chan, M.M. see D. Fong 257 (1989) 55
Chapus, C. see C. Chaillan 257 (1989) 443
Chernov, B.K. see N.A. Tchurikov 257 (1989) 415
Chernov, I.P. see E.D. Sverdlov 257 (1989) 354
Chiang, P.K. see R.K. Gordon 257 (1989) 383
Cidon, S. see R. Weiler 257 (1989) 457
Cohen, C.M. see Yu.N. Danilov 257 (1989) 431
Colson, P. and C. Houssier, Polyamine addition to preparation media induces chromatin condensation, irreversibly at low ionic strength 257 (1989) 141
Conroy, W.G. see R. Schoepfer 257 (1989) 393
Cooke, R.M. see D. Mulvey 257 (1989) 113
Cooper, D.R. see T. Ishizuka 257 (1989) 337
Costanzo, P. see P. Izzo 257 (1989) 75
Coyer, J., J. Andersen and N. Delihas, Association of higher molecular weight ribonucleoproteins of 7 S particle preparations with multimers of transcription factor IIIA 257 (1989) 159
Crepin, K.M. see S.R. Wall 257 (1989) 211
Cromme, F.V. see O. Schatz 257 (1989) 311
Croop, J.M. see L.M. Greenberger 257 (1989) 419
Cugnoli, C., R. Mantovani, R. Fioravanti and I. Pepe, 11-*cis* retinal formation in the light catalyzed by a retinal-binding protein from the honeybee retina 257 (1989) 63

Danilov, Yu.N. and C.M. Cohen, Wheat germ agglutinin but not concanavalin A modulates protein kinase C-mediated phosphorylation of red cell skeletal proteins 257 (1989) 431
De Haro, C. see F. Gaitero 257 (1989) 297
Delihas, N. see J. Coyer 257 (1989) 159
De Maeyer, M. see J. Tavernier 257 (1989) 315
Denizot, Y. see P. Salem 257 (1989) 49
Dessi, A. see M. Branca 257 (1989) 52
Di Cesare, G. see A. Ghetti 257 (1989) 373
Doak, D.G. see D. Mulvey 257 (1989) 113
Doussiere, J. see M.-C. Pilloud 257 (1989) 167
Dulioust, A. see P. Salem 257 (1989) 49
Dupou-Cézanne, L. see J.-F. Tocanne 257 (1989) 10

Published by Elsevier Science Publishers B.V. (Biomedical Division)
00145793/89/$3.50 © 1989 Federation of European Biochemical Societies

Edwards, M. see H.J.M. Brady 257 (1989) 451
Egorov, C. see T. Makarova 257 (1989) 247
Endo, S., H. Inooka, Y. Ishibashi, C. Kitada, E. Mizuta and M. Fujino, Solution conformation of endothelin determined by nuclear magnetic resonance and distance geometry 257 (1989) 149
Eufemi, M. see A. Ferraro 257 (1989) 241
Evans, C.H. see K.I. Hulkower 257 (1989) 228

Fagan, J.M., Reply: Polyamines and ATP-dependent protein breakdown 257 (1989) 197
Faraonio, R. see G. Perozzi 257 (1989) 215
Farese, R.V. see T. Ishizuka 257 (1989) 337
Fazal, A., O.U. Beg, J. Shafqat, Z.H. Zaidi and H. Jörnvall, Characterization of two different peptides from the venom of the scorpion *Buthus sindicus* 257 (1989) 260
Ferraro, A., M. Eufemi, L. Cervoni, R. Marinetti and C. Turano, Glycosylated forms of nuclear lamins 257 (1989) 241
Fioravanti, R. see C. Cugnoli 257 (1989) 63
Fong, D., T. Kartasova, B.F. Sloane and M.M. Chan, Bacterial expression of human cysteine proteinase inhibitor stefin A 257 (1989) 55
Fourme, R. see J. Tavernier 257 (1989) 315
Frankel, L.K. and T.M. Bricker, Epitope mapping of the monoclonal antibody FAC2 on the apoprotein of CPa-1 in photosystem II 257 (1989) 279
Franks, F. see R.H.M. Hatley 257 (1989) 171
Frasch, A.C.C. see R.A. Macina 257 (1989) 365
Fujino, M. see S. Endo 257 (1989) 149
Futai, M. see H. Hanada 257 (1989) 465
Fu, T., W. Chang, N. Ishida, K. Saida, Y. Mitsui, Y. Okano and Y. Nozawa, Effects of vasoactive intestinal contractor (VIC) and endothelin on intracellular calcium level in neuroblastoma NG108-15 cells 257 (1989) 351

Gaetani, S. see G. Perozzi 257 (1989) 215
Gaitero, F., E. Mendez and C. de Haro, Heat-stable translational inhibitor from rabbit reticulocyte lysates 257 (1989) 297
García, J.A., J.L. Riechmann, M.T. Martín and S. Laín, Proteolytic activity of the plum pox potyvirus NI_a-protein on excess of natural and artificial substrates in *Escherichia coli* 257 (1989) 269
García-Sáinz, J.A. and G. Gutiérrez-Venegas, Activation of protein kinase C alters the interaction of α_2-adrenoceptors and the inhibitory GTP-binding protein (G_i) in human platelets 257 (1989) 427
Gasyna, Z. see M.J. Stillman 257 (1989) 283
Gazit, A. see I. Posner 257 (1989) 287
Georgescu, H.I. see K.I. Hulkower 257 (1989) 228
Gerber, C. see J.P. Ruppersberg 257 (1989) 460
Gershon, M.D. see R. Weiler 257 (1989) 457
Ghetti, A., C. Padovani, G. Di Cesare and C. Morandi, Secondary structure prediction for RNA binding domain in RNP proteins identifies $\beta\alpha\beta$ as the main structural motif 257 (1989) 373
Gilon, C. see I. Posner 257 (1989) 287
Glumoff, T., K.H. Winterhalter and J.D.G. Smit, Monoclinic crystals of lignin peroxidase 257 (1989) 59
Goerlich, D. see M. Wiedmann 257 (1989) 263
Golova, Yu.B. see N.A. Tchurikov 257 (1989) 415
Gorbalenya, A.E. see E.D. Sverdlov 257 (1989) 354
Gordon, R.K. and P.K. Chiang, Differential allosteric effects of 8-(*N,N*-diethylamino)octyl-3,4,5-trimethoxybenzoate-HCl (TMB-8) on muscarinic receptor subtypes 257 (1989) 383
Graifer, D.M. see R.M. Tujebajeva 257 (1989) 254
Grebenshikov, N. see T. Makarova 257 (1989) 247
Greenberger, L.M., J.M. Croop, S.B. Horwitz and R.J. Arceci, P-glycoproteins encoded by *mdr1b* in murine gravid uterus and multidrug resistant tumor cell lines are differentially glycosylated 257 (1989) 419
Greig, N. see R.B. Rothman 257 (1989) 341
Gressner, A.M. see M.G. Bachem 257 (1989) 134
Gromoll, J. see W. Weidemann 257 (1989) 31
Grüninger-Leitch, F. see O. Schatz 257 (1989) 311
Gschwendt, M., W. Kittstein, G. Mieskes and F. Marks, A type 2A protein phosphatase dephosphorylates the elongation factor 2 and is stimulated by the phorbol ester TPA in mouse epidermis in vivo 257 (1989) 357
Guo, J.Z. see L.A. Baxter-Lowe 257 (1989) 181
Gusev, N.B. see E.V. Skripnikova 257 (1989) 380
Gutiérrez-Venegas, G. see J.A. García-Sáinz 257 (1989) 427

Hachiya, T. see J. -C. Abougou 257 (1989) 408
Hagiwara, M. see J. -C. Abougou 257 (1989) 408
Halvorsen, S.W. see R. Schoepfer 257 (1989) 393
Hanada, H., T. Noumi, M. Maeda and M. Futai, Uni-site catalysis by *Escherichia coli* F_1-ATPase with different numbers of bound nucleotides 257 (1989) 465
Harmar, A.J. see J. Simpson 257 (1989) 238
Harthus, H.-P. see M. Bröker 257 (1989) 118
Hartmann, E. see M. Wiedmann 257 (1989) 263
Hartshorne, D.J. see J. -C. Abougou 257 (1989) 408
Harvey, T.S. see D. Mulvey 257 (1989) 113
Hatley, R.H.M. and F. Franks, The cold-induced denaturation of lactate dehydrogenase at sub-zero temperatures in the absence of perturbants 257 (1989) 171
Hatsuzawa, K. see K. Nakayama 257 (1989) 89
Hauquier, G. see J. Tavernier 257 (1989) 315
Hayashi, K. see S. Inoue 257 (1989) 319
Heinemann, U. see W. Saenger 257 (1989) 223
Hidaka, H. see J. -C. Abougou 257 (1989) 408
Hii, C.S.T., Y.S. Kokke, W. Pruimboom and A.W. Murray, Phorbol esters stimulate a phospholipase D-catalysed reaction with both ester- and ether-linked phospholipids in HeLa cells 257 (1989) 35
Hilgenfeld, R. see F. Hucho 257 (1989) 17
Hirai, Y. see K. Mizuno 257 (1989) 27
Hirata, H. see M. Tsuda 257 (1989) 38
Hoflack, J. see V. Saudek 257 (1989) 145
Hofmann, K.P. see B. König 257 (1989) 163
Hogue-Angeletti, R. see R. Weiler 257 (1989) 457
Hokin, L.E. see L.A. Baxter-Lowe 257 (1989) 181
Hörber, J.K.H. see J.P. Ruppersberg 257 (1989) 460
Horiuchi, S. see T. Ohta 257 (1989) 435
Horwitz, S.B. see L.M. Greenberger 257 (1989) 419
Houssier, C. see P. Colson 257 (1989) 141
Hucho, F. and R. Hilgenfeld, The selectivity filter of a ligand-gated ion channel: The helix-M2 model of the ion channel of the nicotinic acetylcholine receptor 257 (1989) 17
Hue, L. see S.R. Wall 257 (1989) 211
Huet, J.-C. and J.-C. Pernollet, Amino acid sequence of cinnamomin, a new member of the elicitin family, and its comparison to cryptogein and capsicein 257 (1989) 302
Hulkower, K.I., H.I. Georgescu and C.H. Evans, Altered patterns of protein phosphorylation in articular chondrocytes treated with interleukin-1 or synovial cytokines 257 (1989) 228

Ikeda, K. see S. Inoue 257 (1989) 319
Ikigai, H. see K. Murakami 257 (1989) 400
Inooka, H. see S. Endo 257 (1989) 149

Inoue, S., K. Okumura, M. Tsujino, K. Ohkura, K. Ikeda, M. Takechi, Y. Tanaka and K. Hayashi, Amino acid sequences of cytotoxin-like basic proteins derived from cobra venoms 257 (1989) 319
Ishibashi, Y. see S. Endo 257 (1989) 149
Ishida, N. see T. Fu 257 (1989) 351
Ishiura, S., T. Tsukahara, T. Tabira and H. Sugita, Putative N-terminal splitting enzyme of amyloid A4 peptides is the multicatalytic proteinase, ingensin, which is widely distributed in mammalian cells 257 (1989) 388
Ishiura, S., Y. Nomura, T. Tsukahara and H. Sugita, Addition of ATP increases the apparent molecular mass of the multicatalytic proteinase, ingensin 257 (1989) 123
Ishizuka, T., D.R. Cooper and R.V. Farese, Insulin stimulates the translocation of protein kinase C in rat adipocytes 257 (1989) 337
Ivanova, M.A. see M.L. Borin 257 (1989) 345
Izzo, P., P. Costanzo, A. Lupo, E. Rippa and F. Salvatore, In vivo activity of the most proximal promoter of the human aldolase A gene and analysis of transcriptional control elements 257 (1989) 75

Jacobson, K.A. see M.E. Olah 257 (1989) 292
Jazin, E.E. see R.A. Macina 257 (1989) 365
Jonák, J. see M.E. Peter 257 (1989) 219
Jörnvall, H. see A. Fazal 257 (1989) 260

Kadenbach, B. see D. Steverding 257 (1989) 131
Kanfer, J.N. and D.G. McCartney, GPC phosphodiesterase and phosphomonoesterase activities of renal cortex and medulla of control, antidiuresis and diuresis rats 257 (1989) 348
Karpova, G.G. see R.M. Tujebajeva 257 (1989) 254
Kartasova, T. see D. Fong 257 (1989) 55
Katada, Toshiaki see I. Kobayashi 257 (1989) 177
Keller, R. see W. Weidemann 257 (1989) 31
Khodorov, B.I. see M.L. Borin 257 (1989) 345
Kikkawa, S. see I. Kobayashi 257 (1989) 177
Kimura, G. see K. Nakamatsu 257 (1989) 422
Kim, W.-S. see K. Nakayama 257 (1989) 89
King, G.F. see D. Mulvey 257 (1989) 113
Kiseleva, E.V., Secretory protein synthesis in *Chironomus* salivary gland cells is not coupled with protein translocation across endoplasmic reticulum membranes: Electron microscopic evidence 257 (1989) 251
Kiss, Z. and W.B. Anderson, Alcohols selectively stimulate phospholipase D-mediated hydrolysis of phosphatidylethanolamine in NIH 3T3 cells 257 (1989) 45
Kitada, C. see S. Endo 257 (1989) 149
Kittstein, W. see M. Gschwendt 257 (1989) 357
Klinz, F.-J., Ras protein expression is developmentally regulated in embryonic chicken brain 257 (1989) 333
Kobayashi, I., H. Shibasaki, K. Takahashi, S. Kikkawa, M. Ui and Toshiaki Katada, Purification of GTP-binding proteins from bovine brain membranes: Identification of heterogeneity of the α-subunit of G_o proteins 257 (1989) 177
Koivusalo, M., M. Baumann and L. Uotila, Evidence for the identity of glutathione-dependent formaldehyde dehydrogenase and class III alcohol dehydrogenase 257 (1989) 105
Kokke, Y.S. see C.S.T. Hii 257 (1989) 35
Kolesnikova, M.S. see E.D. Sverdlov 257 (1989) 354
Kondoh, M. see Y. Masuda 257 (1989) 208
König, B., W. Welte and K.P. Hofmann, Photoactivation of rhodopsin and interaction with transducin in detergent micelles: Effect of 'doping' with steroid molecules 257 (1989) 163
Korneyeva, N.L. see W.B. Minich 257 (1989) 257
Koyama, E. see S. Noji 257 (1989) 93
Koyama, T. see S. Ohnuma 257 (1989) 71
Kozlowski, H. see M. Branca 257 (1989) 52
Kudinov, Yu.V. see M.L. Borin 257 (1989) 345
Kurzchalia, T.V. see M. Wiedmann 257 (1989) 263
Kutchan, T.M., Expression of enzymatically active cloned strictosidine synthase from the higher plant *Rauvolfia serpentina* in *Escherichia coli* 257 (1989) 127

Labourdette, G. see C. Loret 257 (1989) 324
Laeng, P. see C. Loret 257 (1989) 324
Laín, S. see J.A. García 257 (1989) 269
Lakhtina, O.E. see E.A. Arystarkhova 257 (1989) 24
Lambeth, J.D. see S.R. Tyagi 257 (1989) 188
Lasters, I. see J. Tavernier 257 (1989) 315
Le Grice, S.F.J. see O. Schatz 257 (1989) 311
Levina, N.B. see E.A. Arystarkhova 257 (1989) 24
Levitzki, A. see I. Posner 257 (1989) 287
Lewit-Bentley, A. see J. Tavernier 257 (1989) 315
Lindstrom, J. see R. Schoepfer 257 (1989) 393
Linnala-Kankkunen, A. see J. Palvimo 257 (1989) 104
Lis, H. see R. Adar 257 (1989) 81
Lombardo, D. see C. Chaillan 257 (1989) 443
Lopez, A. see J.-F. Tocanne 257 (1989) 10
Loret, C., P. Laeng, M. Sensenbrenner and G. Labourdette, Acidic and basic fibroblast growth factors similarly regulate the rate of biosynthesis of rat astroblast proteins 257 (1989) 324
Lowe, N. see H.J.M. Brady 257 (1989) 451
Lupo, A. see P. Izzo 257 (1989) 75

Macina, R.A., J.L. Affranchino, G.D. Pollevick, E.E. Jazin and A.C.C. Frasch, Variable number of repeat units in genes encoding *Trypanosoma cruzi* antigens 257 (1989) 365
Maeda, M. see H. Hanada 257 (1989) 465
Makarova, T., N. Grebenshikov, C. Egorov, A. Vartapetian and A. Bogdanov, Prothymosin α is an evolutionary conserved protein covalently linked to a small RNA 257 (1989) 247
Malherbe, P. see E. Sigel 257 (1989) 377
Manchester, K.L., Correspondence Comment: Polyamines and protein degradation 257 (1989) 196
Mantovani, R. see C. Cugnoli 257 (1989) 63
Marinetti, R. see A. Ferraro 257 (1989) 241
Markova, S.V. see E.D. Sverdlov 257 (1989) 354
Markov, C.M. see M.L. Borin 257 (1989) 345
Marks, F. see M. Gschwendt 257 (1989) 357
Martín, M.T. see J.A. García 257 (1989) 269
Masaki, Tomoh see Y. Masuda 257 (1989) 208
Massotte, D. and F. Pattus, Colicin N and its thermolytic fragment induce phospholipid vesicle fusion 257 (1989) 447
Masuda, Y., H. Miyazaki, M. Kondoh, H. Watanabe, M. Yanagisawa, Tomoh Masaki and K. Murakami, Two different forms of endothelin receptors in rat lung 257 (1989) 208
Matsuda, I. see T. Ohta 257 (1989) 435
Mauch, L., V. Bichler and R. Brandsch, Site-directed mutagenesis of the FAD-binding histidine of 6-hydroxy-D-nicotine oxidase: Consequences on flavinylation and enzyme activity 257 (1989) 86
McCartney, D.G. see J.N. Kanfer 257 (1989) 348
Melchior, R. see M.G. Bachem 257 (1989) 134
Mele, A. see R.B. Rothman 257 (1989) 341
Mendez, E. see F. Gaitero 257 (1989) 297
Mengheri, E. see G. Perozzi 257 (1989) 215
Micera, G. see M. Branca 257 (1989) 52
Mieskes, G. see M. Gschwendt 257 (1989) 357

Minich, W.B., N.L. Korneyeva and L.P. Ovchinnikov, Translational active mRNPs from rabbit reticulocytes are qualitatively different from free mRNA in their translatability in cell-free system 257 (1989) 257
Mitsui, Y. see T. Fu 257 (1989) 351
Miyazaki, H. see Y. Masuda 257 (1989) 208
Mizuno, K., S. Nakai, Y. Ohmoto and Y. Hirai, Identification of a specific receptor for interleukin-1 on rat bone marrow cells 257 (1989) 27
Mizuta, E. see S. Endo 257 (1989) 149
Modyanov, N.N. see E.A. Arystarkhova 257 (1989) 24
Modyanov, N.N. see N.E. Broude 257 (1989) 1
Modyanov, N.N. see Yu.A. Ushkaryov 257 (1989) 439
Möhler, H. see E. Sigel 257 (1989) 377
Monastyrskaya, G.S. see N.E. Broude 257 (1989) 1
Monastyrskaya, G.S. see Yu.A. Ushkaryov 257 (1989) 439
Moore, G.R. see Stephen E.J. Rigby 257 (1989) 155
Morandi, C. see A. Ghetti 257 (1989) 373
Morino, Y. see T. Ohta 257 (1989) 435
Morohashi, K. see M. Noshiro 257 (1989) 97
Müller, W.E. see T. Schubert 257 (1989) 174
Mulvey, D., G.F. King, R.M. Cooke, D.G. Doak, T.S. Harvey and I.D. Campbell, High resolution ^{1}H NMR study of the solution structure of the S4 segment of the sodium channel protein 257 (1989) 113
Murakami, K.H. and K. see K. Nakayama 257 (1989) 89
Murakami, K., H. Ikigai, N. Nagumo, M. Tomita and T. Shimamura, A cytocidal tissue kallikrein isolated from mouse submandibular glands 257 (1989) 400
Murakami, K. see Y. Masuda 257 (1989) 208
Murphy, S. and G. Welk, Arachidonic acid evokes inositol phospholipid hydrolysis in astrocytes 257 (1989) 68
Murray, A.W. see C.S.T. Hii 257 (1989) 35

Nagahama, M. see K. Nakayama 257 (1989) 89
Nagumo, N. see K. Murakami 257 (1989) 400
Nakai, S. see K. Mizuno 257 (1989) 27
Nakamatsu, K., S. Taniguchi, G. Kimura and T. Baba, Enhancement of colony forming ability in the lung by transfer of the v-fos oncogene into a ras-transformed rat 3Y1 cell line 257 (1989) 422
Nakayama, K., M. Nagahama, W.-S. Kim, K. Hatsuzawa and K.H. and K. Murakami, Prorenin is sorted into the regulated secretory pathway independent of its processing to renin in mouse pituitary AtT-20 cells 257 (1989) 89
Nechipurenko, Yu.D. see N.A. Tchurikov 257 (1989) 415
Nesmeyanova, M.A. and M.V. Bogdanov, Participation of acid phospholipids in protein translocation across the bacterial cytoplasmic membrane 257 (1989) 203
Nikiforova, N.N. see Yu.A. Ushkaryov 257 (1989) 439
Niki, I., F.M. Ashcroft and S.J.H. Ashcroft, The dependence on intracellular ATP concentration of ATP-sensitive K-channels and of Na,K-ATPase in intact HIT-T15β-cells 257 (1989) 361
Nishimoto, M. see M. Noshiro 257 (1989) 97
Nohno, T. see S. Noji 257 (1989) 93
Noji, S., T. Yamaai, E. Koyama, T. Nohno and S. Taniguchi, Spatial and temporal expression pattern of retinoic acid receptor genes during mouse bone development 257 (1989) 93
Nomura, Y. see S. Ishiura 257 (1989) 123
Noshiro, M., M. Nishimoto, K. Morohashi and K. Okuda, Molecular cloning of cDNA for cholesterol 7α-hydroxylase from rat liver microsomes: Nucleotide sequence and expression 257 (1989) 97
Noumi, T. see H. Hanada 257 (1989) 465
Nozawa, Y. see T. Fu 257 (1989) 351

Ogura, K. see S. Ohnuma 257 (1989) 71
Ohkura, K. see S. Inoue 257 (1989) 319
Ohmoto, Y. see K. Mizuno 257 (1989) 27
Ohnuma, S., T. Koyama and K. Ogura, Kinetic studies on the prenyl chain elongation by undecaprenyl diphosphate synthase with artificial substrate homologues 257 (1989) 71
Ohta, T., K. Takata, S. Horiuchi, Y. Morino and I. Matsuda, Protective effect of lipoproteins containing apoprotein A-I on Cu^{2+}-catalyzed oxidation of human low density lipoprotein 257 (1989) 435
Okano, Y. see T. Fu 257 (1989) 351
Okuda, K. see M. Noshiro 257 (1989) 97
Okumura, K. see S. Inoue 257 (1989) 319
Olah, M.E., K.A. Jacobson and G.L. Stiles, Affinity chromatography of the bovine cerebral cortex A_1 adenosine receptor 257 (1989) 292
Orlova, M.Yu. see Yu.A. Ushkaryov 257 (1989) 439
Oshtrakh, M.I. and V.A. Semionkin, Mössbauer study of red blood cells from patients with erythremia 257 (1989) 41
Ovchinnikov, L.P. see W.B. Minich 257 (1989) 257

Padovani, C. see A. Ghetti 257 (1989) 373
Palvimo, J. and A. Linnala-Kankkunen, Identification of sites on chromosomal protein HMG-I phosphorylated by casein kinase II 257 (1989) 104
Papa, S. see D. Steverding 257 (1989) 131
Pattus, F. see D. Massotte 257 (1989) 447
Pelton, J.T. see V. Saudek 257 (1989) 145
Pepe, I. see C. Cugnoli 257 (1989) 63
Pernollet, J.-C. see J.-C. Huet 257 (1989) 302
Perozzi, G., E. Mengheri, R. Faraonio and S. Gaetani, Expression of liver-specific genes coding for plasma proteins in protein deficiency 257 (1989) 215
Pert, A. see R.B. Rothman 257 (1989) 341
Peter, M.E., J. Brockmöller, J. Jonák and M. Sprinzl, Identification of the *N*-tosyl-L-phenylalanyl chloromethylketone modification site in *Thermus thermophilus* elongation factor Tu 257 (1989) 219
Petrukhin, K.E. see Yu.A. Ushkaryov 257 (1989) 439
Pilloud, M.-C., J. Doussiere and P.V. Vignais, The $O_2^{\cdot-}$ generating oxidase activation of bovine neutrophils: Evidence for synergism of multiple cytosolic factors in a cell-free system 257 (1989) 167
Pinelis, V.G. see M.L. Borin 257 (1989) 345
Pitton, C. see P. Salem 257 (1989) 49
Plessmann, U. see K. Weber 257 (1989) 411
Pollevick, G.D. see R.A. Macina 257 (1989) 365
Posner, I., A. Gazit, C. Gilon and A. Levitzki, Tyrphostins inhibit the epidermal growth factor receptor-mediated breakdown of phosphoinositides 257 (1989) 287
Prange, T. see J. Tavernier 257 (1989) 315
Pruimboom, W. see C.S.T. Hii 257 (1989) 35

Rapoport, T.A. see M. Wiedmann 257 (1989) 263
Reid, A.A. see R.B. Rothman 257 (1989) 341
Rhen, M. see S. Taira 257 (1989) 274
Rice, K.C. see R.B. Rothman 257 (1989) 341
Richardson, M. see R. Adar 257 (1989) 81
Riechmann, J.L. see J.A. García 257 (1989) 269
Riess, U. see M.G. Bachem 257 (1989) 134
Rigby, Stephen E.J., T.A. Alleyne, M.T. Wilson and G.R. Moore, A ^{1}H NMR study of bovine cytochrome oxidase: Paramagnetically shifted resonances of haem *a* 257 (1989) 155
Rippa, E. see P. Izzo 257 (1989) 75
Rogalska, E. see C. Chaillan 257 (1989) 443
Romanova, L.I. see E.D. Sverdlov 257 (1989) 354

Rostapshov, V.M. see E.D. Sverdlov 257 (1989) 354
Rothman, R.B., A. Mele, A.A. Reid, H. Akunne, N. Greig, A. Thurkauf, K.C. Rice and A. Pert, Tight binding dopamine reuptake inhibitors as cocaine antagonists: A strategy for drug development 257 (1989) 341
Rousseau, G.G. see S.R. Wall 257 (1989) 211
Ruppersberg, J.P., J.K.H. Hörber, C. Gerber and G. Binnig, Imaging of cell membraneous and cytoskeletal structures with a scanning tunneling microscope 257 (1989) 460

Saenger, W. and U. Heinemann, Raison d'être and structural model for the B-Z transition of poly d(G-C)*poly d(G-C) 257 (1989) 223
Saida, K. see T. Fu 257 (1989) 351
Salem, P., Y. Denizot, C. Pitton, A. Dulioust, M.-J. Bossant and J.B. and Y. Thomas, Presence of paf-acether in human thymus 257 (1989) 49
Salvatore, F. see P. Izzo 257 (1989) 75
Saudek, V., J. Hoflack and J.T. Pelton, ^{1}H-NMR study of endothelin, sequence-specific assignment of the spectrum and a solution structure 257 (1989) 145
Schatz, O., F.V. Cromme, F. Grüninger-Leitch and S.F.J. Le Grice, Point mutations in conserved amino acid residues within the C-terminal domain of HIV-1 reverse transcriptase specifically repress RNase H function 257 (1989) 311
Schoepfer, R., S.W. Halvorsen, W.G. Conroy, P. Whiting and J. Lindstrom, Antisera against an acetylcholine receptor α3 fusion protein bind to ganglionic but not to brain nicotinic acetylcholine receptors 257 (1989) 393
Schubert, T. and W.E. Müller, *N*-Formyl-methionyl-leucyl-phenylalanine induced accumulation of inositol phosphates indicates the presence of oligopeptide chemoattractant receptors on circulating human lymphocytes 257 (1989) 174
Sell, K.-M. see M.G. Bachem 257 (1989) 134
Semionkin, V.A. see M.I. Oshtrakh 257 (1989) 41
Sensenbrenner, M. see C. Loret 257 (1989) 324
Serra, M.V. see M. Branca 257 (1989) 52
Shafqat, J. see A. Fazal 257 (1989) 260
Sharon, N. see R. Adar 257 (1989) 81
Shibasaki, H. see I. Kobayashi 257 (1989) 177
Shimamura, T. see K. Murakami 257 (1989) 400
Sigel, E., R. Baur, P. Malherbe and H. Möhler, The rat β_1-subunit of the $GABA_A$ receptor forms a picrotoxin-sensitive anion channel open in the absence of GABA 257 (1989) 377
Simpson, J., C.M. Bladon, C.M. Yates and A.J. Harmar, An antiserum to the extracellular domain of the Alzheimer amyloid precursor recognizes 70 and 88 kDa brain proteins 257 (1989) 238
Skripnikova, E.V. and N.B. Gusev, Interaction of smooth muscle caldesmon with S-100 protein 257 (1989) 380
Sloane, B.F. see D. Fong 257 (1989) 55
Smit, J.D.G. see T. Glumoff 257 (1989) 59
Sommer, E.W., J.K. Blum, M.C. Berger and M.W. Berchtold, A chemically transformed rat fibroblast cell line expresses high levels of oncomodulin 257 (1989) 307
Sowden, J.C. see H.J.M. Brady 257 (1989) 451
Sprinzl, M. see M.E. Peter 257 (1989) 219
Steverding, D., C. Thiel, B. Kadenbach, N. Capitanio and S. Papa, Influence of surface charge on the incorporation and orientation of cytochrome *c* oxidase in liposomes 257 (1989) 131
Stiles, G.L. see M.E. Olah 257 (1989) 292
Stillman, M.J., Z. Gasyna and A.J. Zelazowski, A luminescence probe for metallothionein in liver tissue: emission intensity measured directly from copper metallothionein induced in rat liver 257 (1989) 283
Strosznajder, J., Prolonged ischemia differently affects phospholipase C acting against phosphatidylinositol and phosphatidylinositol 4,5-bisphosphate in brain subsynaptosomal fraction 257 (1989) 110
Sugita, H. see S. Ishiura 257 (1989) 123
Sugita, H. see S. Ishiura 257 (1989) 388
Sverdlov, E.D., S.A. Tsarev, S.V. Markova, V.M. Rostapshov, T.L. Azhikina, I.P. Chernov, A.E. Gorbalenya, M.S. Kolesnikova, L.I. Romanova, N.L. Teterina, E.A. Tolskaya and V.I. Agol, Insertion of short hepatitis virus A amino acid sequences into poliovirus antigenic determinants results in viable progeny 257 (1989) 354
Sverdlov, E.D. see N.E. Broude 257 (1989) 1
Sverdlov, E.D. see Yu.A. Ushkaryov 257 (1989) 439

Tabira, T. see S. Ishiura 257 (1989) 388
Taira, S. and M. Rhen, Molecular organization of genes constituting the virulence determinant on the *Salmonella typhimurium* 96 kilobase pair plasmid 257 (1989) 274
Takahashi, K. see I. Kobayashi 257 (1989) 177
Takata, K. see T. Ohta 257 (1989) 435
Takechi, M. see S. Inoue 257 (1989) 319
Tamir, H. see R. Weiler 257 (1989) 457
Tanaka, Y. see S. Inoue 257 (1989) 319
Taniguchi, S. see K. Nakamatsu 257 (1989) 422
Taniguchi, S. see S. Noji 257 (1989) 93
Tavernier, J., X. van Ostade, G. Hauquier, T. Prange, I. Lasters, M. de Maeyer, Anita Lewit-Bentley and R. Fourme, Conserved residues of tumour necrosis factor and lymphotoxin constitute the framework of the trimeric structure 257 (1989) 315
Tchurikov, N.A., B.K. Chernov, Yu.B. Golova and Yu.D. Nechipurenko, Parallel DNA: generation of a duplex between two *Drosophila* sequences in vitro 257 (1989) 415
Terasawa, M. see J. -C. Abougou 257 (1989) 408
Teterina, N.L. see E.D. Sverdlov 257 (1989) 354
Thiel, C. see D. Steverding 257 (1989) 131
Thomas, J.B. and Y. see P. Salem 257 (1989) 49
Thurkauf, A. see R.B. Rothman 257 (1989) 341
Tocanne, J.-F., L. Dupou-Cézanne, A. Lopez and J.-F. Tournier, Lipid lateral diffusion and membrane organization 257 (1989) 10
Tolskaya, E.A. see E.D. Sverdlov 257 (1989) 354
Tomita, M. see K. Murakami 257 (1989) 400
Tournier, J.-F. see J.-F. Tocanne 257 (1989) 10
Traub, P. see K. Weber 257 (1989) 411
Tremblay, R.R. see G. Boissonneault 257 (1989) 329
Tsarev, S.A. see E.D. Sverdlov 257 (1989) 354
Tsuda, M., T. Tsuda and H. Hirata, Cyclic nucleotides and GTP analogues stimulate light-induced phosphorylation of octopus rhodopsin 257 (1989) 38
Tsuda, T. see M. Tsuda 257 (1989) 38
Tsujino, M. see S. Inoue 257 (1989) 319
Tsukahara, T. see S. Ishiura 257 (1989) 123
Tsukahara, T. see S. Ishiura 257 (1989) 388
Tujebajeva, R.M., D.M. Graifer, G.G. Karpova and N.A. Ajtkhozhina, Alkaloid homoharringtonine inhibits polypeptide chain elongation on human ribosomes on the step of peptide bond formation 257 (1989) 254
Turano, C. see A. Ferraro 257 (1989) 241

Tyagi, S.R., E.F. Winton and J.D. Lambeth, Granulocyte/macrophage colony-stimulating factor primes human neutrophils for increased diacylglycerol generation in response to chemoattractant 257 (1989) 188

Ui, M. see I. Kobayashi 257 (1989) 177
Uotila, L. see M. Koivusalo 257 (1989) 105
Ushkaryov, Yu.A., G.S. Monastyrskaya, N.E. Broude, N.N. Nikiforova, D.A. Bessarab, M.Yu. Orlova, K.E. Petrukhin, N.N. Modyanov and E.D. Sverdlov, Human Na^+,K^+-ATPase genes: β-Subunit gene family contains at least one gene and one pseudogene 257 (1989) 439

Vallee, B.L. and D.S. Auld, Short and long spacer sequences and other structural features of zinc binding sites in zinc enzymes 257 (1989) 138
Van Beeumen, J.J. see J.R. Vanfleteren 257 (1989) 233
Van Bun, S.M. see J.R. Vanfleteren 257 (1989) 233
Van den Hove, M.-F. see S.R. Wall 257 (1989) 211
Vanfleteren, J.R., S.M. Van Bun and J.J. Van Beeumen, The histones of *Caenorhabditis elegans:* no evidence of stage-specific isoforms: An overview 257 (1989) 233
Van Ostade, X. see J. Tavernier 257 (1989) 315
Vartapetian, A. see T. Makarova 257 (1989) 247
Vignais, P.V. see M.-C. Pilloud 257 (1989) 167

Wall, S.R., M.-F. van den Hove, K.M. Crepin, L. Hue and G.G. Rousseau, Thyroid hormone stimulates expression of 6-phosphofructo-2-kinase in rat liver 257 (1989) 211
Warwicker, J., A theoretical study of the acidification of the rhinovirus capsid 257 (1989) 403
Watanabe, H. see Y. Masuda 257 (1989) 208
Weber, K., U. Plessmann and P. Traub, Maturation of nuclear lamin A involves a specific carboxy-terminal trimming, which removes the polyisoprenylation site from the precursor; implications for the structure of the nuclear lamina 257 (1989) 411
Weidemann, W., J. Gromoll and R. Keller, Cloning and sequence analysis of cDNA for precursor of a crustacean hyperglycemic hormone 257 (1989) 31
Weiler, R., S. Cidon, M.D. Gershon, H. Tamir, R. Hogue-Angeletti and Hans Winkler, Adrenal chromaffin granules and secretory granules from thyroid parafollicular cells have several common antigens 257 (1989) 457
Welk, G. see S. Murphy 257 (1989) 68
Welte, W. see B. König 257 (1989) 163
Whiting, P. see R. Schoepfer 257 (1989) 393
Wiedmann, M., D. Goerlich, E. Hartmann, T.V. Kurzchalia and T.A. Rapoport, Photocrosslinking demonstrates proximity of a 34 kDa membrane protein to different portions of preprolactin during translocation through the endoplasmic reticulum 257 (1989) 263
Wilson, M.T. see Stephen E.J. Rigby 257 (1989) 155
Winkler, Hans see R. Weiler 257 (1989) 457
Winterhalter, K.H. see T. Glumoff 257 (1989) 59
Winton, E.F. see S.R. Tyagi 257 (1989) 188

Yamaai, T. see S. Noji 257 (1989) 93
Yanagisawa, M. see Y. Masuda 257 (1989) 208
Yates, C.M. see J. Simpson 257 (1989) 238

Zaidi, Z.H. see A. Fazal 257 (1989) 260
Zelazowski, A.J. see M.J. Stillman 257 (1989) 283